



NEWS RELEASE

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Contact: John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

NEW RUGGED 8-PORT GIGABIT ETHERNET SWITCH CARD INTRODUCED BY CURTISS-WRIGHT

8-Port Fully Managed Switch PCI/104-Express Card Features an Advanced Layer 2 Fully Managed Network Switch with Layer 3 Static Routing

ASHBURN, Va. – September 10, 2015 – [Curtiss-Wright Corporation](#) (NYSE: CW) today announced that its [Defense Solutions](#) division has introduced a new 8-port variant of its [Parvus SWI-22-10 Gigabit Ethernet \(GbE\) switch card](#), the industry's leading rugged multi-port GbE switch module. It delivers a Layer 2 fully managed network switch capable of Layer 3 static routing in a compact card just 3.6" x 3.8" in size. Designed for use in size, weight, power and cost (SWaP-C)-sensitive military and civilian embedded network system applications, the 8-port SWI-22-10 card features the same carrier-grade GbE switching silicon and management software as the original 20-port SWI-22-10, but uses lower-cost connectors that support 8-ports of GbE. This small form factor PCI/104-Express module also features an RS-232 console port, LED activity indication signals, and support for Built-in-Test (BIT) to detect system faults. Compared to alternative solutions, the SWI-22-10 provides superior ruggedization and management software features. In support of information assurance requirements, the card also provides support for a "zeroize" sanitize function that enables users to declassify the product and erase configuration information.

Built for use in harsh environments, the SWI-22-10 has been MIL-STD-810G validated for optimal performance in extreme shock, vibration, and thermal (-40 to +85C) environments. The 8-port SWI-22-10 is ideal for use in SWaP-C constrained ground vehicles, unmanned air systems (UAS) and fixed-or rotary-wing aircraft that require Ethernet connectivity for their on-board devices. It enables high-speed GbE Local Area Network switching for IP-enabled equipment, such as on-board computers, cameras, sensors, monitoring devices, and command-and-control. It is ideal for use in situational awareness upgrades and network centric architectures in sensitive mobile, tactical, airborne, and vehicle applications.

"The new 8-port variant of our popular Parvus SWI-22-10 Gigabit Ethernet switch card provides our customers with their choice of a 20-port or an 8-port configuration to best match the port density, power consumption, and cost targets of their applications," said Lynn Bamford, Senior Vice

President and General Manager, Curtiss-Wright Defense Solutions division. “This robust switching component furthers our commitment to deliver the industry’s best combination of high performance and SWaP-C reductions at the extreme environments at the network edge.”

Advanced Network Management Features

The card’s advanced network switch features include full Layer 2 Ethernet switch management and static Layer 3 IP routing. It is designed with a low-power, energy-efficient switch fabric with hardware-based precision timing support (IEEE-1588v2) and full management capabilities, including support for:

- IPv4 and IPv6 multicast traffic
- Virtual Local Area Networks (VLANs)
- Port control (speed / mode/ statistics, flow control)
- Quality of Service (QoS) traffic prioritization
- Link Aggregation (802.3ad)
- SNMPv1/v2/v3 management
- Secure authentication (802.1X, ACLs, Web/CLI)
- Redundancy (RSTP/MSTP)
- Port monitoring
- IGMP Snooping
- Data zeroization.

Integrated Network Switch Solutions

The 8-port SWI-22-10 can be used as a standalone card or pre-integrated by the factory into an embedded system solution, such as Curtiss-Wright’s [Parvus DuraCOR®](#) or [DuraWORX® mission computers](#). The 20-port card model is available pre-integrated into the [DuraNET 20-10 switch subsystem](#), as well as the [Parvus DuraMAR® 5915 “3X” Cisco®-based router subsystem](#).

Sales inquiries: Please forward all Sales and reader service inquiries to ds@curtisswright.com.

For more information about Curtiss-Wright’s Defense Solutions division, please visit www.cwcdefense.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

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